Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

STATES RELATIONS SERVICE
AUG 12 1918
EXPERIMENT STATION FILE

No. 14. Issued July 15, 1918.

UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.
HENRY S. GRAVES, Forester.

July Field Program, 1918.

This program of field-work assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

HENRY S. GRAVES, Forester.

ALBERT F. POTTER, Associate Forester.
WILLIAM L. HALL, Assistant Forester.
E. A. SHERMAN, Assistant Forester.

D. D. BRONSON, forest inspector.
A. O. WAHA, forest inspector.
G. G. ANDERSON, assistant to the Forester.
MAINTENANCE.—BILLIE I. SHANNON, in charge.
STENOGRAPHY AND TYPEWRITING.—BERTHA E. ADAMS, in charge.
SUPPLIES.—S. L. MCLAURIN, property clerk.
EDITOR.—HERBERT A. SMITH.
INFORMATION.—PAUL D. KELLETER.
TECHNICAL REVIEW.—L. C. EVERARD.
EDUCATIONAL COOPERATION.—DON CARLOS ELLIS.
PROOFS AND FORMS.—CLAUDE M. BALLARD.
DENDROLOGY.—GEORGE B. SUDWORTH, dendrologist.
ACCOUNTS.—M. E. FAGAN, chief.
SUPPLY DEPOT, OGDEN, UTAH.—A. H. COUSINS, property assistant.
PROPERTY AUDIT, OGDEN, UTAH.—J. G. FALCK, property auditor.

SILVICULTURE.

E. E. CARTER, forest inspector, in charge; CLINTON G. SMITH, forest inspector; HARRY IRION, office assistant.

STATE COOPERATION.—J. G. PETERS, chief.

Inspection.—L. S. Murphy, J. A. Mitchell.

Compilation of State forest laws.—Miss J. S. Peyton.

State cooperative fire protection under the Weeks law.—F. H. Colby, land agent and forest commissioner, Augusta, Me.; A. B. Hastings, acting State forester, Concord, N. H.; W. G. Hastings, chief forester, St. Albans, Vt.; F. W. Rane, State forester, Boston, Mass.; W. O. Filley, State forester, New Haven, Conn.; W. G. Howard, assistant superintendent of forests, Albany, N. Y.; C. P. Wilber, State fire warden, Trenton, N. J.; F. W. Besley, State forester, Baltimore, Md.; R. C. Jones, State forester, Charlottesville, Va.; C. W. Brandon, forest, game, and fish warden, Philippi, W. Va.; J. S. Holmes, State forester, Chapel Hill, N. C.; J. E. Barton, State forester, Frankfort, Ky.; R. D. Forbes, superintendent of forestry, New Orleans, La.; E. O. Siecke, State forester, College Station, Tex.; W. J. Pearson, chief forest fire warden, Boyne Falls, Mich.; F. B. Moody, conservation commissioner, Madison, Wis.; Wm. T. Cox, State forester, St. Paul, Minn.; W. A. Nevin, State forester, Fairburn, S. Dak.; J. C. Van Hook, State forester, Helena, Mont.; I. A. Smoot, State land commissioner, Boise, Idaho; F. A. Elliott, State forester, Salem, Oreg.; F. E. Pape, State forester and fire warden, Olympia, Wash.

COOPERATION WITH PRIVATE TIMBERLAND OWNERS.—A. CARY, acting in charge.

GRAZING.

WILL C. BARNES, assistant forester, in charge; J. W. NELSON, inspector of grazing.

GRAZING STUDIES (in cooperation with F. V. Coville, botanist, Bureau of Plant Industry).—JAMES T. JARDINE, inspector of grazing, in charge.

Forage investigations.—William A. Dayton, plant ecologist, Washington, D. C.

Goat range study.—William R. Chapline, grazing examiner, Washington, D. C.

Range reserve experiments.—Jornada Reserve: Clarence L. Forsling, grazing examiner, in charge, Las Cruces, N. Mex. Santa Rita Reserve: R. L. Hensel, forest examiner, in charge, Tucson, Ariz.

LANDS.

E. A. SHERMAN, assistant forester, in charge; W. J. MANGAN, examiner.

CLAIMS AND OCCUPANCY.—CHARLES H. SQUIRE, in charge.

LAND CLASSIFICATION.—JOHN D. JONES, in charge.

SETTLEMENT.—F. L. HARVEY, In charge.

ENTRY SURVEYS.—ROBERT V. R. REYNOLDS, in charge.

STATUS.—J. B. SATTERLEE, J. E. BURCH.

RESEARCH.

EARLE H. CLAPP, assistant forester, in charge; HARRY IRION, office assistant.

ELERS KOCH, forest supervisor, on detail.

FOREST INVESTIGATIONS.—RAPHAEL ZON, chief; S. T. DANA, assistant chief.

Studies.—C. R. Tillotson, E. H. Frothingham, W. D. Sterrett, W. N. Sparhawk, E. R. Hodson; A. F. Hawes and W. R. Mattoon (in cooperation with the States Relation Service); Willis Munro (in cooperation with the Bureau of Entomology).

FOREST DISTRIBUTION.—W. H. LAMB, in charge; Miss G. E. Wharton.

FOREST MEASUREMENTS.—J. W. STOKES, on detail.

LIBRARY.—Miss H. E. STOCKBRIDGE.

COMPILATION.—Miss E. B. LEECH.

Cloquet Experiment Station in coperation with the University of Minnesota.—W. H. Kenety, Cloquet, Minn.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—CARLILE P. WINSLOW, director; O. M. BUTLER, assistant director; H. D. Tiemann, dry-kiln specialist.

Commercial extension.—Rolf Thelen (on detail, Washington office).

Review of results.—Ray C. Tuttle, acting in charge.

Lumber studies.—Henry J. Hegel, in charge; D. G. White, S. W. Allen, R. A. Colgan, W. W. Morris.

DERIVED PRODUCTS.—L. F. HAWLEY, in charge; Ernest Bateman, Samuel A. Mahood, E. C. Sherrard, Howard N. Calderwood, H. M. Mayo, G. W. Blanco, D. E. Cable, F. C. Coulson.

ENGINEERING.—F. E. BONNER, in charge; B. L. Nelson, C. H. Clevenger.

MAINTENANCE.—CHAS. P. JUCKEM, in charge.

PULP AND PAPER.—H. E. Surface, G. C. McNaughton, Sidney D. Wells, V. P. Edwardes.

TIMBER PHYSICS.—FRANK J. HALLAUER, in charge; C. A. Kupfer, Eloise Gerry, M. E. Diemer, A. Koehler, Gertrude Griffin, C. W. Gould, James D. Studley, M. C. Jensen, Thos. R. Stoltenberg, C. V. Sweet, Lawrence V. Teesdale, D. R. Brewster, J. L. Brownlee.

TIMBER MECHANICS.—J. A. NEWLIN, in charge; L. J. Markwardt, assistant in charge; T. R. C. Wilson, special assistant; J. S. Mathewson, J. O. Bixby.

Box Design.—Don L. Quinn, in charge; L. R. Morris, R. B. Quincy, J. B. Frear, H. M. Hale.

Propeller Manufacture.—A. L. Heim, in charge; A. C. Knauss, Louis Seutter.

Airplane Tests.—Prof. E. R. Maurer, in charge; Hobart D. Frary, C. B. Norris, Rufus Crane, E. P. Johnson, J. A. Hanson, R. E. Deutsche.

Timber Tests.—G. E. Heck, in charge; H. S. Grenoble, Armin Elmendorf, J. R. Watkins, W. S. Broome, R. E. Johnston, C. E. Dennis, H. J. Rosenthal, C. A. Plaskett, R. F. Luxford, R. M. Wirka, L. A. Welo, E. D. Fahlberg, R. P. A. Johnson, D. P. Gilmore, W. S. Wilder, L. L. Call, Peter Skurdalsvold, G. M. Griffith.

WOOD PRESERVATION.—CLYDE H. TEESDALE, in charge; Geo. M. Hunt, P. R. Hicks, Matthew E. Dunlap, Olenus L. Sponsler, S. B. Henning, Samuel Schwartz, Alfred C. Lindauer, Frederick L. Browne, Samuel Butterman, Melville H. Price, Edward P. Devlin, T. R. Truax.

INDUSTRIAL INVESTIGATIONS.—H. S. BETTS, in charge; ROLF THELEN, on detail.

STUDIES.—J. T. Harris.

USES OF WOODS.—W. D. Brush.

WOOD-WASTE EXCHANGE.—R. K. Helphenstine, jr.

STATISTICS OF FOREST PRODUCTS.—Franklin H. Smith, Albert H. Pierson. Collaborator: A. B. Strough, Albany, N. Y.

ENGINEERING.

O. C. MERRILL, chief engineer, in charge.

ROADS.—T. W. NORCROSS, assistant chief engineer, in charge.

WATER POWER.—L. A. WHITSIT, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge (temporarily on detail to the Forest Products Laboratory); C. A. KOLB, geographer.

ATLAS.—G. B. BRUCE.

DRAFTING.—J. M. WITHEROW.

ENGRAVING.—F. C. CRASS.

PHOTOGRAPHY.—E. S. SHIPP.

SURVEYS.—F. E. BONNER.

ACQUISITION OF LANDS UNDER THE WEEKS LAW.

WILLIAM L. HALL, assistant forester in charge, Washington, D. C.

APPRAISAL OF LANDS.—W. W. ASHE, forest inspector in charge, Washington, D. C. Lumberman's examinations: E. D. Fletcher, Gorham,

N. H.; C. D. Cushing, Johnson City, Tenn.; George W. Marshall, Clayton, Ga. Forest examiners: White Mountains, H. S. Davis, Gorham, N. H.; Monongahela, S. H. Thompson, Elkins, W. Va.; Natural Bridge, Massanutten, and Potomac Areas, H. M. Sears and party, Buena Vista, Va.: Boone and Mount Mitchell Areas, R. J. Noyes and party, Marion, N. C.; Savannah Area, C. E. Beaumont (in charge of party), Clayton, Ga.: Nantahala Area, W. J. Damtoft (in charge of party) and George F. Greenleaf, Asheville, N. C.; Alabama Area, E. J. Meade (in charge of party), Moulton, Ala.

SURVEY OF LANDS.—RUDOLPH DIEFFENBACH, forest examiner in charge: Harold G. Wood, national forest examiner, Washington, D. C. Examiners of surveys: White Mountain Area, Frederick A. Gardner, Gorham, N. H.; Shenandoah Area, E. R. Conrad and Carl F. Muzzey, Harrisonburg, Va.; Nantahala Area, W. N. Sloan and J. W. Fox, Clayton, Ga.; Mount Mitchell Area, Dave M. Gibson, Marion, N. C.; Pisgah Area, Walter H. Sullivan and James Denman, Asheville, N. C.; Natural Bridge Area, Alfred R. Kinney, Buena Vista, Va.

LAW.—A. H. MCCONVILLE, assistant to the solicitor in charge, Washington, D. C. Title attorneys: M. B. Stickley, Washington, D. C.; George E. Taylor, Murphy, N. C.; Alfred S. Grigg, Johnson City, Tenn.; Julius Fletcher, Lenoir, N. C.; Judson S. Bohannan, Biltmore, N. C.; John W. Van Hoy, Marion, N. C.; John Awtrey, Franklin, N. C.; W. L. Newman, Woodstock, Va.; Pierce R. Massie, Lynchburg, Va.; H. A. Lamprey, Woodsville, N. H.; John C. Forney, Moulton, Ala.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota. Office, Federal Building, Missoula, Mont.

R. H. RUTLEDGE, acting district forester.

LAW.—Office of the Solicitor (Forest Service branch). D. F. MCGOWAN, assistant to the solicitor, in charge.

ACCOUNTS.—JOHN A. URBANOWICZ, district fiscal agent.

OPERATION.—GLEN A. SMITH, assistant district forester; G. I. PORTER, executive assistant; R. B. ADAMS, telephone engineer; FAY G. CLARK, improvements; C. C. DELAVAN, fire protection.

MAINTENANCE.—F. W. BEIER, JR.

SILVICULTURE.—J. E. PRESTON, assistant district forester; C. L. BILLINGS, lumberman.

LOGGING ENGINEERING.—J. W. GIRARD, logging engineer.

TIMBER SALES.—Field supervision, C. E. KNOUF, lumberman.

PLANTING.—E. F. WHITE, in charge. Savenac Nursery, D. S. Olson, planting assistant, in charge, Haugan, Mont.

PRODUCTS.— ———.

INSECT CONTROL.—LENTHALL WYMAN.

RESEARCH.— ——.

JAMES R. WEIR, consulting pathologist, Missoula, Mont.; E. E. HUBERT, scientific assistant.

GRAZING.—C. H. ADAMS, assistant district forester; BURR W. CLARK, executive assistant.

STUDIES.—L. C. HURTT, grazing examiner.

LANDS.—F. A. FENN, assistant district forester.

CLAIMS.—P. J. O'BRIEN.

SETTLEMENT.—J. W. STREIT.

LAND CLASSIFICATION.—C. B. SWIM, assistant.

ENGINEERING.—G. H. LAUTZ, district engineer.

MAPS AND SURVEYS.—G. H. LAUTZ, in charge.

Drafting.—K. D. SWAN.

Entry Surveys.—F. E. THIEME.

Topographic Surveys.—J. B. YULE.

ROADS.—G. H. LAUTZ, in charge.

WATER POWER.—E. W. KRAMER, in charge.

EXPERIMENT STATION.

Priest River, Kaniksu National Forest.—JULIUS A. LARSEN, forest examiner, Priest River, Idaho.

NATIONAL FORESTS.

IDAHO.

Clearwater.—R. A. HAMILTON, forest supervisor, Orofino (WU–Am); E. E. Wilson, deputy forest supervisor.

Coeur d'Alene.—M. H. WOLFF, forest supervisor, Coeur d'Alene (WU–Am); C. A. Dahlgren, lumberman; R. G. Merritt and James H. Hull, forest examiners.

Kaniksu.—See Washington.

Nezperce.—S. V. FULLAWAY, Jr., forest supervisor, Grangeville (WU–Am); F. J. Jefferson, deputy forest supervisor.

Pend Oreille.—J. A. FITZWATER, forest supervisor, Sandpoint (WU–Am, NW); Jas. E. Ryan, deputy forest supervisor.

Selway.—CHARLES F. HOWELL, forest supervisor, Kooskia (WU–N); John H. Clack, deputy forest supervisor.

St. Joe.—ROSCOE HAINES, forest supervisor, St. Maries (Continental–WF).

MONTANA.

Absaroka.—ERNEST W. SHAW, forest supervisor, Livingston (WU–Am, N); Frank J. Mosher, forest examiner.

Beartooth.—R. TREVOR FERGUSON, forest supervisor, Billings (WU–Am, N); A. M. Baum, deputy forest supervisor.

Beaverhead.—J. B. SOMERS, forest supervisor, Dillon (WU–Am); A. Price Townsend, deputy forest supervisor.

Bitterroot.—W. W. WHITE, forest supervisor, Missoula (WU, P–Am, N); Mallory N. Stickney, deputy forest supervisor.

Blackfeet.—R. P. MCLAUGHLIN, forest supervisor, Kalispell (WU–Am, GN); C. B. Baker, forest examiner; R. L. Woesner, lumberman.

Cabinet.—H. L. BAKER, forest supervisor, Thompson Falls (WU–Am, N).

Custer.—J. C. WHITHAM, forest supervisor, Miles City (WU–Am, N); O. C. Bradeen, deputy forest supervisor.

Deerlodge.—LEWIS C. STOCKDALE, forest supervisor, Anaconda (P–Am, N); W. W. Weber, deputy forest supervisor; C. N. Whitney, C. R. Clark, and W. C. Latane, forest examiners.

Flathead.—JOSEPH D. WARNER, forest supervisor, Kalispell (WU–Am, GN); L. G. Hornby, deputy forest supervisor; H. R. Flint, forest examiner, timber sales.

Gallatin.—R. E. BODLEY, forest supervisor, Bozeman (WU–Am, N); A. H. Abbott, deputy forest supervisor.

Helena.—C. K. MCHARG, Jr., forest supervisor, Helena (WU–Am, N).

Jefferson.—W. B. WILLEY, forest supervisor, Great Falls (WU–Am, N); W. J. Derrick, deputy forest supervisor.

Kootenai.—C. M. STEVENS, forest supervisor, Libby (WU–Am, GN); Leslie F. Vinal, deputy forest supervisor.

Lewis and Clark.—DWIGHT L. BEATTY, forest supervisor, Choteau (WU–Am, GN).

Lolo.—W. W. WHITE, forest supervisor, Missoula (WU, P–Am, N).

Madison.—ROSCOE G. WILLSON, forest supervisor, Sheridan (WU–Am, N).

Missoula.—RUTLEDGE PARKER, forest supervisor, Missoula (WU, P–Am, N).

Sioux.—J. C. WHITHAM, forest supervisor, Miles City (WU–Am, N); O. C. Bradeen, deputy forest supervisor.

WASHINGTON.

Kaniksu.—J. F. FORSYTHE, forest supervisor, Newport, Wash. (WU via Priest River–Am. GN, via Priest River); A. J. Feary, deputy forest supervisor.

DISTRICT 2.

Colorado, Wyoming, South Dakota, Nebraska, northern Michigan, and northern Minnesota. Office, New Federal Building, Denver, Colo.

SMITH RILEY, district forester; T. W. VENEMANN, information; W. I. HUTCHINSON, recreation.

LAW.—Office of the Solicitor (Forest Service branch). GEO. E. TROWBRIDGE, assistant to the solicitor, in charge.

ACCOUNTS.—Q. R. CRAFT, district fiscal agent.

OPERATION.—FRED MORRELL, assistant district forester; JOHN MCLAREN, national forester examiner, fire protection; H. R. KYLIE, telephone engineer; W. I. HUTCHINSON, improvements.

MAINTENANCE.—F. H. CARROLL.

SILVICULTURE.—M. W. THOMPSON, forester examiner in charge; EARL B. TANNER, logging engineer.

PLANTING.—FRED R. JOHNSON.

FOREST INVESTIGATIONS.—C. G. BATES.

CARL HARTLEY, consulting pathologist, Denver, Colo.

GRAZING.—JOHN H. HATTON, assistant district forester; LYNN H. DOUGLAS, inspector of grazing.

STUDIES.—LYNN H. DOUGLAS, inspector of grazing, in charge.

LANDS.—C. J. STAHL, assistant district forester; THOS. M. MOORMAN, assistant; CROSBY A. HOAR, land classification; J. B. CAMMANN, mineral examiner.

ENGINEERING.—R. E. PRATT, district engineer.

MAPS AND SURVEYS.—R. E. PRATT, in charge.

Drafting.—H. C. ORPEN.

Entry Surveys.—W. C. CAMPBELL.

ROADS.—R. E. PRATT, in charge.

WATER POWER.— ———.

EXPERIMENT STATIONS.

Fremont, Pike National Forest.—C. G. BATES, Manitou, Colo.

Wagon Wheel Gap, Rio Grande National Forest.—J. H. JARBOE, of the Weather Bureau, Wagon Wheel Gap, Colo.

NATIONAL FORESTS.

COLORADO.

Arapaho.—DWIGHT S. JEFFERS, forest supervisor, Hot Sulphur Springs, (WU–Ad); Allen W. Murdock, forest examiner.

Battlement.—JOHN W. SPENCER, forest supervisor, Grand Junction (WU–Ad).

Cochetopa.—ALVA A. SIMPSON, forest supervisor, Saguache (WU–Ad); Clarence E. Taylor, forest examiner.

Colorado.—H. N. WHEELER, forest supervisor, Fort Collins (WU–Ad, Am); Wallace J. Pearce, forest examiner.

Durango.—H. EARL FRENCH, forest supervisor, Durango (WU–Ad); Wm. R. Fraser, deputy forest supervisor.

Gunnison.—William R. Kreutzer, forest supervisor, Gunnison (WU–Ad); Percy T. Smith, forest examiner.

Hayden.—See Wyoming.

Holy Cross.—Harry H. French, forest supervisor, Glenwood Springs (WU–WF, Ad); Peter Keplinger, forest examiner.

Leadville.—R. E. Clark, forest supervisor, Leadville (WU, P–Ad, WF).

Monteuzma.—Gordon Parker, forest supervisor, Mancos (WU–Ad).

Pike.—Theo. Shoemaker, forest supervisor, Denver (WU, P–Ad, Am, WF); Carl M. Stanley, deputy forest supervisor; Everard S. Keithley, forest examiner. Monument Nursery, W. H. Schrader, forest planting assistant, in charge, Monument.

Rio Grande.—A. L. Sweitzer, forest supervisor, Monte Vista (WU–Ad); Walter F. Bowers, deputy forest supervisor.

Routt.—Ray Peck, forest supervisor, Steamboat Springs (WU–Ad); A. L. Richey, deputy forest supervisor.

San Isabel.—Albin G. Hamel, forest supervisor, Westcliffe (WU–Ad).

San Juan.—A. F. C. Hoffman, forest supervisor, Pagosa Springs (WU–Ad); Chas. B. Mack, deputy forest supervisor.

Sopris.—Arthur T. Upson, forest supervisor, Aspen (WU–Ad).

Uncompahgre.—J. W. Lowell, Jr., forest supervisor, Delta (WU–Ad); Harold L. Borden, forest examiner.

White River.—James A. Blair, forest supervisor, Glenwood Springs (WU–WF, Ad); Theodore Krueger, forest examiner.

MICHIGAN.

Michigan.—Huber C. Hilton, forest supervisor, East Tawas (WU–Am).

MINNESOTA.

Minnesota.—G. E. Marshall, forest supervisor, Cass Lake (WU–Am, WF, GN). Cass Lake Nursery, H. H. Richmond, forest examiner, in charge.

Superior.—Leslie Brownell, forest supervisor, Ely (WU–Am, GN).

NEBRASKA.

Nebraska.—Jay Higgins, forest supervisor, Halsey (WU–Ad). Morton Nursery, Nenzil. Bessey Nursery, Halsey.

SOUTH DAKOTA.

Black Hills.—George A. Duthie, forest supervisor, Deadwood (WU–Ad, Am); William Wiehe, deputy forest supervisor; L. E. Hitchcock, forest examiner; Earl W. Tinker, forest examiner.

Harney.—JAMES F. CONNER, forest supervisor, Custer (WU–Ad); Bernard E. Leete, forest examiner.

WYOMING.

Bighorn.—RESS PHILIPS, forest supervisor, Sheridan (WU–Ad); Andrew G. Stockwell, deputy forest supervisor.

Black Hills.—See South Dakota.

Hayden.—JAMES BLACKHALL, forest supervisor, Encampment (WU, P–Am).

Medicine Bow.—EARL S. PEIRCE, forest supervisor, Laramie (WU, P–Am); Andrew Hutton, forest examiner.

Shoshone.—R. W. ALLEN, forest supervisor, Cody (WU–Ad); E. T. Wolf, forest examiner.

Washakie.—C. G. POOLE, forest supervisor, Landor (WU–Am).

DISTRICT 3.

Arizona and New Mexico. Office, Gas and Electric Building, Albuquerque, N. Mex.

PAUL G. REDINGTON, district forester; WARD SHEPARD, forest examiner, educational cooperation, recreational uses, and game protection.

LAW.—Office of the Solicitor (Forest Service branch). MORTON M. CHENEY, assistant to the solicitor, in charge.

ACCOUNTS.—ALBERT MORRIS, district fiscal agent.

OPERATION.—DON P. JOHNSTON, assistant district forester; WARD SHEPARD, forest examiner, assistant in operation.

MAINTENANCE.—H. B. HAMMOND.

SILVICULTURE.—H. H. CHAPMAN, assistant district forester; D. M. LANG, lumberman; QUINCY RANDLES, forest examiner.

W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester; E. N. KAVANAGH, inspector of grazing.

STUDIES.—R. R. HILL, HUGH M. BRYAN, and PAUL H. ROBERTS, grazing examiners.

LANDS.—FRANK E. ANDREWS, national forest examiner, in charge. Classification: REX KING, forest examiner.

ENGINEERING.—C. A. LONG, district engineer.

MAPS AND SURVEYS.—LEE C. DAVES, in charge.

Drafting.— ———.

Entry Surveys.—FRANK D. YOST, surveyor.

ROADS.—C. A. LONG, in charge.

WATER POWER.—C. A. LONG, in charge.

EXPERIMENT STATION.

Fort Valley, Coconino National Forest.—G. A. PEARSON, forest examiner, in charge, Flagstaff, Ariz.

NATIONAL FORESTS.

ARIZONA.

Apache.—ROBERT J. SELKIRK, forest supervisor, Springerville (P–WF); John A. Adams, deputy forest supervisor.

Coconino.—RAYMOND E. MARSH, forest supervisor, Flagstaff (WU, P–WF); Lorenzo B. Maxwell, deputy forest supervisor; Leonard R. Lessel, national forest examiner.

Coronado.—PAUL P. PITCHLYNN, forest supervisor, Tucson (WU–WF); H. Basil Wales, forest examiner; Chas. L. Rak, deputy forester supervisor.

Crook.—T. T. SWIFT, forest supervisor, Safford (WU–WF).

Prescott.—EDWARD G. MILLER, forest supervisor, Prescott (WU–WF); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P–WF); Kenner C. Kartchner, deputy forest supervisor.

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU–WF); J. H. Sizer, deputy forest supervisor.

Tusayan.—IRA T. YARNALL, forest supervisor, Williams; Francis L. W. Grubb, deputy forest supervisor (WU, P–WF).

GRAND CANYON NATIONAL MONUMENT.—T. EARL WYLDER, forest supervisor, Grand Canyon (P–WF).

NEW MEXICO.

Carson.—ELLIOTT S. BARKER, forest supervisor, Taos (WU–G); Edward P. Ancona, deputy forest supervisor.

Coronado.—See Arizona.

Datil.—AUSBURN H. DOUGLAS, forest supervisor, Magdalena (WU, P–WF); Robert Munro, national forest examiner; L. R. De Camp, deputy forest supervisor.

Gila.—FREDERIC WINN, forest supervisor, Silver City (WU, P–WF); James A. Scott, deputy forest supervisor. Fort Bayard Nursery.

Lincoln.—O. F. ARTHUR, forest supervisor, Alamogordo (WU–WF); Willard M. Drake, forest examiner; William J. Anderson, deputy forest supervisor.

Manzano.—JAMES F. MULLEN, forest supervisor, Albuquerque (WU, P–WF).

Santa Fe.—JOSEPH C. KIRCHER, forest supervisor, Santa Fe (WU, P–G, WF); Earl W. Loveridge, deputy forest supervisor; Gordon T. Backus, forest examiner. Las Gallinas Nursery, Herman Krauch, forest examiner.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Office, Forest Service Building, Ogden, Utah.

L. F. KNEIPP, district forester.

LAW.—Office of the Solicitor (Forest Service branch). J. F. LAWSON, assistant to the solicitor, in charge.

ACCOUNTS.—C. C. BRUNNER, district fiscal agent.

OPERATION.—VERNON METCALF, assistant district forester; F. J. RYDER, national forest examiner, executive assistant.

MAINTENANCE.—JAMES E. SCOTT.

SILVICULTURE.—C. B. MORSE, assistant district forester; D. F. SEEREY, logging engineer; S. S. STEWART, forest examiner.

PLANTING.—E. H. HALL, in charge. Cottonwood Nursery, N. J. Fetherolf, forest planting assistant, in charge, Murray, Utah (on Wasatch National Forest).

GRAZING.—HOMER E. FENN, assistant district forester; ERNEST WINKLER, inspector of grazing.

STUDIES.—MARK ANDERSON and R. J. BECRAFT, grazing examiners.

LANDS.—C. N. WOODS, assistant district forester; R. E. GERY, assistant; W. B. RICE, in charge of entry surveys.

RESEARCH.—C. F. KORSTIAN, forest examiner, in charge.

ENGINEERING.—J. P. MARTIN, district engineer.

MAPS AND SURVEYS.— ———.

Drafting.—F. I. SHAFER, in charge.

ROADS.—J. P. MARTIN, in charge.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Great Basin, Manti National Forest.—ARTHUR W. SAMPSON, plant ecologist, in charge, Ephraim, Utah; **F. S. Baker, forest examiner (on detail, Washington office).**

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—LEE A. HARRIS, forest supervisor, Kanab, Utah (WU–WF).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU–Am); Lyle F. Watts, deputy forest supervisor.

Cache.—See Utah.

Caribou.—C. D. SIMPSON, forest supervisor, Montpelier (WU–Am): G. G. Henderson, deputy forest supervisor; T. B. Nichols, grazing studies.

Challis.—DAVID LAING, forest supervisor, Challis (WU–Am).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU, P); J. C. Roak, deputy forest supervisor.

Lemhi.—CHAS F. EVANS, forest supervisor, Mackay (WU–Am).

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU–Am); J. W. Stokes, forest examiner (on detail, Washington office).

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU–Am); F. S. Moore, deputy forest supervisor.

Salmon.—DANA PARKINSON, forest supervisor, Salmon (WU–Am); S. C. Scribner, deputy forest supervisor.

Sawtooth.—HERBERT G. MCPHETERS, forest supervisor, Hailey (WU–Am); Leslie E. Dodge, deputy forest supervisor.

Targhee.—SAM'L W. STODDARD, forest supervisor, St. Anthony (WU–Am); John N. Kinney, deputy forest superviser.

Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU–Am); T. V. Pearson, deputy forest supervisor.

NEVADA.

Humboldt.—CHAS. DEMOISY, Jr., forest supervisor, Elko (WU–WF); Alexander McQueen, deputy forest supervisor.

Nevada.—F. L. MOTT, forest supervisor, Ely (WU–WF).

Toiyabe.—W. W. BLAKESLEE, forest supervisor, Austin (WU, P–WF); Raymond G. Steele, deputy forest supervisor, Manhattan.

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU–WF).

Cache.—E. C. SHEPARD, forest supervisor, Logan (WU–Am); Edmund B. S. Spencer, deputy forest supervisor.

Dixie.—WM. M. MACE, forest supervisor, St. George (WU–WF).

Fillmore.—JOHN RAPHAEL, forest supervisor, Richfield (WU–WF); Bert L. Robins, deputy forest supervisor.

Fishlake.—C. A. MATTSSON, forest supervisor, Salina (WU–WF).

La Sal.—S. B. LOCKE, forest supervisor, Moab (WU–WF).

Manti.—B. E. MATTSSON, forest supervisor, Ephraim (WU–WF).

Minidoka.—See Idaho.

Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU–WF).
Sevier.—J. W. HUMPHREY, forest supervisor, Panguitch (WU–WF); Wallace M. Riddle, deputy forest supervisor.
Uinta.—A. W. JENSEN, forest supervisor, Provo (WU–WF).
Wasatch.—CARL B. ARENTSON, forest supervisor, Salt Lake City (WU, P–Am, WF); David A. Arrivee, deputy forest supervisor. Louis B. Koch, sealer, in charge of Standard Timber Co. sale.

WYOMING.

Bridger.—LEE E. COOPER, forest supervisor, Pinedale (WU–Am).
Teton.—A. C. MCCAIN, forest supervisor, Jackson (WU–Am).
Wyoming.—CHARLES A. BEAM, forest supervisor, Afton (WU–Am); Nils B. Eckbo, forest examiner.

DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Cal.

ROY HEADLEY, acting district forester.

INFORMATION.—R. F. HAMMATT, in charge.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—CLARENCE WILEY, national forest inspector, in charge.

TELEPHONE ENGINEERING.—FREDERICK H. HAFLEY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

SILVICULTURE.—T. D. WOODBURY, assistant district forester.

LOGGING ENGINEERING—D. C. BIRCH, forest examiner.

TIMBER SALES.—J. C. ELLIOTT, lumberman.

TIMBER SURVEYS.—O. M. EVANS, forest examiner.

FOREST INVESTIGATIONS.—STUART B. SHOW, forest examiner.

INSECT CONTROL.—RALPH HOPPING, national forest examiner.

FOREST PATHOLOGY.—E. P. MEINECKE, consulting pathologist.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, national forest inspector.

MINERAL EXAMINATION.—W. H. FRIEDHOFF, mineral examiner.

LAND CLASSIFICATION AND ENTRY SURVEYS.—P. L. DAY, national forest examiner in charge of field work.

ENGINEERING.—F. H. FOWLER, district engineer; J. C. DORT, assistant district engineer.

MAPS AND SURVEYS.—J. C. DORT, in charge.

Drafting. R. E. L. BORGFELDT.

ROADS.—F. H. FOWLER, in charge.

WATER POWER.—F. H. FOWLER, in charge.

PRODUCTS.—CARY L. HILL, forest examiner, acting in charge.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P–WF).

California.—J. D. COFFMAN, forest supervisor, Alder Springs (WU via Willows–WF via Fruto); B. H. Mace, deputy forest supervisor.

Cleveland.—M. R. TILLOTSON, forest supervisor, Escondido (WU–WF).

Eldorado.—EDWARD I. KOTOK, forest supervisor, Placerville (WU–WF).

Inyo.—C. E. JORDAN, forest supervisor, Bishop (WU–WF).

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU–WF).

Lassen.—JAMES O. MORROW, forest supervisor, Mineral (WU–WF); T. C. West, deputy forest supervisor.

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU–WF).

Mono.—See Nevada.

Monterey.—J. R. HALL, forest supervisor, Santa Barbara (P–WF).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU–Am); George R. Orr, forest examiner.

Santa Barbara.—J. R. HALL, forest supervisor, Santa Barbara (P–WF).

Sequoia.—F. P. CUNNINGHAM, forest supervisor, Hot Springs (WU–WF); George W. Lyons, deputy forest supervisor.

Shasta.—N. H. SLOANE, forest supervisor, Sisson (P–WF); Belknap C. Goldsmith, forest examiner. Pilgrim Creek Nursery.

Sierra.—M. A. BENEDICT, forest supervisor, Northfork (WU via Friant–WF via Friant); J. V. Wulff, forest examiner.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU–WF).

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU–WF).

Trinity.—W. A. HUESTIS, forest supervisor, Weaverville (WU–WF); Ernst V. Jotter, forest examiner.

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU–WF).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester; M. L. MERRITT, assistant in improvement work; C. M. ALLEN, telephone engineer; H. M. WHITE, national forest inspector.

MAINTENANCE.—H. M. WHITE.

INSPECTION (Protection of Oregon & California Railroad lands and cooperation under Weeks law).—R. H. CHAPLER, forest examiner.

SILVICULTURE.—THORNTON T. MUNGER, forest examiner, in charge; W. T. ANDREWS and L. A. NELSON, logging engineers; EDWIN C. ERICKSON, lumberman; BRUCE E. HOFFMAN, T. J. STARKER, G. A. BRIGHT, and A. A. GRIFFIN, forest examiners; A. J. JAENICKE, forest examiner on insect control.

PLANTING.—J. F. KÜMMEL, forest examiner.

GRAZING.—T. P. MACKENZIE, assistant district forester; J. L. PETERSON, grazing examiner.

LANDS.—C. J. BUCK, assistant district forester.

CLAIMS AND STATIONS.—FRANK A. LAW, Jr., clerk.

LAND CLASSIFICATION.—J. ROY HARVEY, national forest examiner.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

ENTRY SURVEYS.—A. H. WRIGHT and GEO. W. ROOT.

WASHINGTON STATE LAND EXCHANGE.—STANTON G. SMITH, forest supervisor, Seattle; WM. RYLE TEED, national forest examiner, State House, Olympia, Wash.

ENGINEERING.—P. H. DATER, district engineer.

MAPS AND SURVEYS.—A. H. HODGSON.

Drafting.—R. H. ROBERTSON.

Surveys.—CECIL A. LORD.

WATER POWER.—R. R. RANDELL.

PRODUCTS.— ———.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Stabler, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WC–AP, Am); Thomas M. Hunt, forest supervisor, Seward (WC, P–WF).

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU–AP, Am); B. F. Heintzleman, deputy forest supervisor; R. E. Kan Smith, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P–WF); R. S. Wallace, forest examiner.

Crater.—H. B. RANKIN, forest supervisor, Medford (WU, P–WF); H. D. Foster, deputy forest supervisor; Fred A. Matz, national forest examiner.

Deschutes.—NORMAN G. JACOBSON, forest supervisor, Bend (WU, P); H. E. Vincent, deputy forest supervisor; W. J. Sproat, forest examiner; F. V. Horton and John C. Kuhns, grazing examiners.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev–P, WF); R. A. Bradley, deputy forest supervisor.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker–Am, WF via Baker).

Minam.—R. M. EVANS, forest supervisor, Baker (WU–Am); J. F. Irwin, deputy forest supervisor.

Ochoco.—V. V. HARPHAM, forest supervisor, Prineville (WU, PT & T–Am); Douglas C. Ingram, grazing examiner.

Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P–Am, WF, N); Carl B. Neal, deputy forest supervisor.

Santiam.—C. C. HALL, forest supervisor, Albany (WU, P–WF).

Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P–WF); ———, deputy forest supervisor; H. A. Haefner, forest examiner.

Siuslaw.—RALPH S. SHELLEY, forest supervisor, Eugene (WU, P–WF); C. T. Beach, deputy forest supervisor; H. M. Johnson, forest examiner.

Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P–Am).

Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P–WF); George Bonebrake, deputy forest supervisor.

Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU–Am); N. J. Billings, deputy forest supervisor.

Wenaha.—See Washington.

Whitman.—R. M. EVANS, forest supervisor, Baker (WU–Am); I. E. Jones, deputy forest supervisor; T. J. Starker, George L. Drake, and A. R. Wilcox, forest examiners; Walter L. Dutton, grazing examiner.

WASHINGTON.

Chelan.—E. H. MacDaniels, forest supervisor, Chelan (PT & T–Am, GN via Wenatchee).

Columbia.—F. H. Brundage, forest supervisor, Portland, Oreg. (WU, P–Am, WF, N); W. B. Osborne, jr., forest examiner.

Colville.—C. C. Reid, forest supervisor, Republic (WU, P–Am, GN); F. W. Cleator, deputy forest supervisor.

Okanogan.—P. T. Harris, forest supervisor, Okanogan (PT & T–Am, GN via Wenatchee); G. E. Mitchell, deputy forest supervisor.

Olympic.—R. L. Fromme, forest supervisor, Olympia (WU, P–Am, GN, N); A. A. Parker, deputy forest supervisor; E. J. Hanzlik and O. F. Ericson, forest examiners.

Rainier.—G. F. Allen, forest supervisor, Tacoma (WU, P–Am, N); E. J. Fenby, deputy forest supervisor; F. B. Kellogg, forest examiner.

Snoqualmie.—Stanton G. Smith, forest supervisor, Seattle (WU, P–N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor.

Washington.—C. H. Park, forest supervisor, Bellingham (WU, P–Am, GN, N); R. L. Campbell, deputy forest supervisor.

Wenaha.—L. E. McDaniels, forest supervisor, Walla Walla (WU–Am, N).

Wenatchee.—A. H. Sylvester, forest supervisor, Leavenworth (WU–Am, GN).

DISTRICT 7.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, acting district forester.

OPERATION.—H. O. Stabler, assistant district forester.

SILVICULTURE.—F. W. Reed, assistant district forester.

GRAZING.—F. W. Reed, assistant district forester.

LANDS.—F. W. Reed, assistant district forester; W. F. Hill, land classification.

ENGINEERING.—H. O. Stabler, assistant district forester; R. C. Huey, roads.

NATIONAL FORESTS.

ALABAMA.

Alabama.—E. J. Mead, forest examiner, in charge, Moulton, Ala.

ARKANSAS.

Arkansas.—JOHN L. COBBS, Jr., forest supervisor, Hot Springs (WU, P–WF, P) ; C. N. Hammond, deputy forest supervisor.

Ozark.—C. J. HELLER, forest supervisor, Russellville (WU–WF).

FLORIDA.

Florida.—L. L. BISHOP, forest supervisor, Pensacola, Fla. (WU, P) ; C. H. Rogers, deputy forest supervisor.

GEORGIA.

Cherokee-Georgia.—H. G. SPAHR, forest supervisor, Blue Ridge, Ga. (WU, P–Ad).

Savannah (includes south half of Nantahala and the Savannah purchase areas).—R. W. SHIELDS, forest supervisor, Clayton, Ga. (WU, P–So).

MAINE.

White Mountain.—See New Hampshire.

NEW HAMPSHIRE.

White Mountain.—J. J. FRITZ, forest supervisor, Gorham, N. H. (WU, P–Am).

NORTH CAROLINA.

Pisgah (includes Boone, Mount Mitchell, north half of Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—VERNE RHOADES, forest supervisor, Asheville, N. C. (WU, P–So) ; J. St. J. BENEDICT, forest examiner, timber sales.

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU–WF).

PORTO RICO.

Luquillo.—E. MURRAY BRUNER, forest supervisor, Rio Piedras.

SOUTH CAROLINA.

Savannah.—See Georgia.

TENNESSEE.

White Top.—(Includes Unaka and White Top purchase areas.) H. L. RUSSELL, forest examiner in charge, Johnson City, Tenn. (WU, P–So).

Cherokee.—See Georgia.

Unaka.—E. P. BUSHNELL, forest examiner, in charge, Johnson City, Tenn. (WU, P–So).

VIRGINIA.

Natural Bridge.—J. H. FAHRENBACH, forest examiner, in charge, Buena Vista, Va. (WU, P–Ad, So).

Shenandoah (includes Shenandoah, Massanutten, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg, Va. (WU, P–Ad, So).

White Top.—See Tennessee.

WEST VIRGINIA.

Monongahela.—H. L. JOHNSON, forest examiner, in charge, Elkins, W. Va. (WU, P–Ad).

SERVICE CHANGES.

FURLOUGHED FOR MILITARY DUTY.

LABORATORY.—Arthur B. White and John F. Lorigan, laboratory helpers.

DISTRICT 1.—Otis B. Parker, Beartooth; C. A. Kutzleb and Vernon C. Sheffield, Beaverhead; A. N. Cochrell, Clearwater; Robert C. Clark, Missoula; Otto E. York, Sioux, forest rangers. W. L. Lay, Custer, forest clerk; Georgia Hollier, Gallatin, clerk (stenographer and typewriter); Hugh Kent and Jean Ewen, topographic draftsmen; W. M. Nagel, forest examiner; Lloyd Zbinden, messenger.

DISTRICT 2.—William O. P. Fullerton, Arapaho; John William Delaney, Medicine Bow; Jesse M. Mann, Pike; John L. Glendening, White River, forest rangers.

DISTRICT 3.—Walter E. Mickelson, Coconino; J. Eugene Beatty, Coronado; Asa E. Messer, Lincoln; Frank E. Brennan, Grand Canyon National Monument, forest rangers. Charles H. Kissam, national forest examiner.

DISTRICT 4.—Alma A. Miller, packer, supply depot; George W. Smith, forest ranger, Challis; Clarence E. Favre, forest supervisor, Humboldt; Harrold C. Haglund, forest clerk, Idaho; Arthur L. Smith, forest ranger, Lemhi; Allen R. Schartzer, draftsman (copyist-topographic).

DISTRICT 6.—H. Vivian Brown and Gustavus A. Whitehead, forest rangers; H. Lansing Plumb, forest assistant.

DISTRICT 7.—Roy T. Reed, Shenandoah, forest ranger.

APPOINTED.

RESEARCH.—Kenneth McR. Clark, logging engineer.

LABORATORY.—Carrol V. Sweet, specialist in kiln drying; Donald R. Brewster, forest examiner; Armin Elmendorf, George E. Heck, and Hobart D. Frary, engineers in forest products; Archibald C. Knauss, Chas. E. Dennis, jr., and Peter Skurdalsvold, assistant engineers in forest products.

DISTRICT 1.—Harold E. Worsley, Beartooth; George R. Steppler, Blackfeet; Harry F. Ransom, Cabinet; A. L. Giddings, Jefferson; Arthur E. Pauley, Kaniksu; Alvin E. Beckwith, Kootenai; Emory L. Marlow, Lewis and Clark; Harvey B. Rust, Madison; Robert C. Clark and August Riggert, Missoula; Charles A. Loitved, Selway; Harry R.

Lovely, St. Joe, forest rangers. Mary E. Parr, Beartooth; Edward J. Hoell, Gallatin; Aleathea B. Howard, Pend Oreille; Harry K. Nichols, Sioux; Elizabeth J. Simpson, St. Joe, clerks (typewriters). G. Willard Jones, forest ranger; Marie Taylor, clerk (stenographer).

DISTRICT 2.—Bernice M. Geddes, Black Hills; Alice G. Judson, Montezuma; Lulu M. Lansing, Pike; Marguerite A. Mulligan, Sopris, clerks (stenographers and typewriters). Ethelwyn Jones, Cochetopa; Katherine Wagner, Montezuma; Clara I. Smith, Rio Grande, clerks (typewriters). George S. Haynes, Fremont Experiment Station; Walter F. Gilliam, Battlement; John S. Amsden, Clair Vivian Cooke, and Marion J. Webber, Black Hills; James B. Hamilton and John A. Stavely, Cochetopa; Benjamin A. Beezley, Gunnison; Verner Moore and Homer R. Raver, Harney; Guy C. Wallace, Leadville; James Real, jr., Montezuma; Walter C. Armstrong and Karl Gilbert, San Isabel; Frank McDaniel, Harry L. Norris, and Floyd E. Runyan, San Juan; Merrill Snyder, Shoshone; William Doran, Uncompahgre; Bert L. Miller and Felix E. Read, White River, forest rangers. Raymond S. Watrous, surveyor-draftsman; Evelyn Cohen, Frances E. Lowe, and Annie A. Ross, clerks (stenographers and typewriters).

DISTRICT 3.—Harry H. Boyer and Ellis W. Lund, Apache; Carroll R. Dwire, Carson; Walter Hackleman and Charles N. Lochman, Coconino; Elmer A. Staggs, Coronado; John H. Isbester and Calvin H. Warnock, Gila; Eddy E. Hudman, Willard Z. Lyons, Frank F. McLure, Henry G. Smith and Asa E. Messer, Lincoln; George H. Cook and Hubert N. Kimbrough, Manzano; Russell L. Linton and Jack E. Marlowe, Prescott; Roy Cummins and Raymond D. Rowley, Sitgreaves; John A. Frieborn, Tonto; Frank G. Lewis and Frank E. Brennan, Grand Canyon, forest rangers. Mrs. Dora M. Morris, Manzano, and Maude E. Wilson, Fort Valley Experiment Station, forest clerks; Mary T. Timpe, Prescott, clerk (typewriter); Henry A. Robinson, Tonto, unskilled laborer; Paul J. Romero, messenger; Opal H. Silcox, clerk (stenographer and typewriter).

DISTRICT 4.—Seth B. Perry and Henry O. Van Tassell, Ashley; Harry Keller and William E. Perkins, Boise; Albert A. David and Oliver C. Garvin, Bridger; Alvin L. Romero, Caribou; Jesse G. C. Elgan, Challis; William T. Dobson, Kaibab; John L. Phillips, Lemhi; Hamner M. Christensen and Orange A. Olsen, Manti; Roscoe H. Davis, Payette; Josiah E. Hickman, jr., Roy Lee, and Loren Shurtz, Powell; Virgil C. Lamb, Martyn E. Mallory, and Allen T. Osborn, Sawtooth; Walter A. Estep and Fred L. Smith, Teton; Charles H. Allred, Uinta; Le Roy E. Bennauer, Wasatch; Kib P. Cook, Wyoming, forest rangers. Ethel Moore, La Sal, clerk (typewriter); Thomas T. Califro, Toiyabe, clerk (stenographer and typewriter); Amos Lewis, unskilled laborer.

DISTRICT 5.—Anna B. Stephens, Cleveland; Katherine C. Davis, Lassen; Mary E. Anderson, Trinity; Edith M. Gustafson, Florence A.

Henderson, stenographers and typewriters. Joseph Hanf and Fletcher H. Hayward, Angeles, forest rangers; Ynez V. Roussel, messenger.

DISTRICT 6.—Philip H. Dater, district engineer; Edith T. McMurry and Louise Wehtje, forest clerks; Vera V. Schlaefer, clerk (stenographer and typewriter); Letetia V. Wood, clerk; William F. Burge, George S. Case, Charles J. Conover, Benjamin F. Freeman, Lonzo D. Hurt, Carl R. Langdon, James H. McIntosh, Roy Mitchell, Robert E. Nickles, Robert I. Peachey, Riley Warren, Frederick F. Wehmeyer, forest rangers.

DISTRICT 7.—Howard Coberly, Monongahela; George W. Cole and Chas. S. Dunn, Unaka; Ralph McCormick, White Mountains; Henry J. McDowell, Alabama, forest rangers. Ernest J. Mead, Alabama, forest examiner.

PROMOTED IN RANK.

LABORATORY.—Robert P. A. Johnson, surveyor-draftsman to assistant engineer in forest products.

DISTRICT 1.—Glen A. Smith, forest supervisor, Kootenai, to assistant district forester, district office; S. V. Fullaway, jr., Nezperce, forest examiner to forest supervisor; H. L. Baker, deputy forest supervisor, district office, to forest supervisor, Cabinet; W. W. Weber, Deerlodge, forest assistant to deputy forest supervisor; F. W. Beier, jr., forest ranger to deputy forest supervisor; George H. Lautz, surveyor draftsman to district engineer.

DISTRICT 2.—Allen W. Murdock, Arapaho, and Wallace J. Pearce, Colorado, forest assistants to forest examiners. Clarence E. Taylor, Cochetopa; Bernard E. Leete, Harney; Andrew Hutton, Medicine Bow, forest rangers to forest examiners. Charles B. Mack, San Juan, forest ranger to deputy forest supervisor; Robert E. Pratt, surveyor to district engineer; Crosby A. Hoar, deputy forest supervisor to forest examiner.

DISTRICT 3.—Jacob C. Nave, Apache, and Charles L. Rak, Coronado, forest rangers to deputy forest supervisors; Leonard R. Lessel, Coconino, forest ranger to national forest examiner; Robert F. Rhinehart, Coconino, scaler to lumberman; Curry A. Long, surveyor to district engineer.

DISTRICT 4.—Charles DeMoisy, jr., Humboldt, deputy forest supervisor to forest supervisor; Alexander McQueen, Humboldt, forest ranger to deputy forest supervisor; Arthur W. Stevens, Great Basin Experiment Station, forest ranger to grazing assistant.

DISTRICT 5.—J. D. Maxfield, forest ranger, Angeles, to national forest examiner, district office.

DISTRICT 6.—Lewis E. McDaniels and Ralph S. Sheiley, deputy forest supervisors to forest supervisors; Harry M. White, forest clerk to national forest inspector; John F. Irwin and Glenn E. Mitchell, forest rangers to deputy forest supervisors.

DISTRICT 7.—Charles N. Hammond, Arkansas, forest ranger to deputy forest supervisor.

CHANGE IN DESIGNATION.

DISTRICT 1.—J. B. Seely, forest supervisor, Helena, to forest ranger, Bitterroot; Frank F. Liebig, Flathead, scaler to forest ranger; W. P. Hillman, Kaniksu, forest ranger to forest clerk; Wm. L. Baldwin and J. Roy Brownlie, Sioux, forest rangers to forest assistants; B. W. Clark, deputy forest supervisor to forest supervisor.

DISTRICT 2.—Ruth A. Dunnington, Black Hills, and Theresa A. Brady, Leadville, clerks (stenographers and typewriters) to forest clerks.

DISTRICT 3.—Ira K. Cummings, Carson, and John B. Garland, Coronado, forest clerks to forest rangers; Robert Munro, Datil, deputy forest supervisor to national forest examiner.

DISTRICT 4.—Arthur C. McCain, Teton, assistant district forester to forest supervisor; J. Carl Allred, Fillmore, deputy forest supervisor to forest clerk.

DISTRICT 7.—Henry L. Johnson, Monongahela, and Harold L. Russell, White Top, deputy forest supervisors to forest examiners.

RESIGNED.

LANDS.—Bleecker L. Wheeler, national forest examiner.

RESEARCH.—George N. Lamb, W. B. Barrows, and Jesse C. Nellis, forest examiners.

LABORATORY.—Otto Kress, pulp and paper engineer; Lage Wernstedt, forest examiner.

ACQUISITION.—E. D. Clark, forest examiner; B. M. Higginbotham, examiner of surveys.

DISTRICT 1.—George E. Martin, Custer, forest supervisor; J. C. Friend, Absaroka; W. Karl Loughborough, Blackfeet; Philip Neff, Coeur d'Alene; Rufus E. Clay, Perry R. Rogers, Chester A. Simpson, Malcolm K. Kedzie, and David C. Huson, Kootenai; Alfred Grigg, Missoula; James D. Agnew, Selway, forest rangers. Louis Crombie, Coeur d'Alene, scaler; Mark. B. McConnell, Coeur d'Alene, forest clerk; Ruth E. Wilson, Sioux, clerk (stenographer); Ruby E. Tippin, Kaniksu, clerk (stenographer and typewriter); Leon H. Weyl, grazing assistant; H. C. Kuhl, surveyor; Percy S. Gray, clerk.

DISTRICT 2.—Thomas V. Keefe, Montezuma, and Charles L. Cecil, Superior, deputy forest supervisors; Roy Smith, Black Hills, national forest examiner; Richard A. Phillips, Harney; Gerald M. Hunter, Routt, forest examiners. Charles Farr, Bighorn, clerk; Philip A. Maurice, Superior, forest clerk; Frieda M. Gruenstein, Black Hills, and John T. Dugan, Pike, clerks (stenographers and typewriters); M. Linda King, Leadville, clerk (typewriter); Rosalie F. Shields and Annie A. Ross, clerks (stenographers and typewriters); Lewis C. Davis, Arapaho;

Warren T. Pilcher and Albert Wiehe, Black Hills; Eldon W. Hauser, Gunnison; John L. Chase, Medicine Bow; Edwin S. Armentrout, Pike; Marcy M. Meaden, Routt; George B. Kleckner, San Juan; Orrin M. Davis, Shoshone; Elmer Eugene Bascom, Sopris; John M. P. James, Lewis A. Hahn, and D. Kirk Shaw, White River; James P. Reddick, forest rangers. Herman F. Mader, surveyor draftsman.

DISTRICT 3.—William R. Warner, Apache, deputy forest supervisor; William F. Tribe, Coconino, scaler; Grace W. Williamson, Coconino, and Martha S. Stanley, Tusayan, clerks (stenographers and typewriters); Frederick O. Knipe, Coronado; Walter A. Foor, Datil; Walter E. Wetmore, Tusayan, forest rangers. J. Wilbur O'Byrne, Lincoln, forest examiner; James Sullivan, Tonto, unskilled laborer; Andrew J. Loftus, Fort Valley Experiment Station, forest clerk; Harry M. Frank, clerk; Charles E. Lippert, draftman (copyist-topographic); Murrell W. Talbot, grazing examiner; Lena Wind, clerk (stenographer and typewriter).

DISTRICT 4.—Charles T. Gray, Boise; Frank M. Butler, Caribou; Howard W. Balsley, La Sal; Julius G. Maelzer, Lemhi; Francis M. Cox, jr., Manti; Lawrence G. Wallace, Minidoka; Thomas A. Jerrell and Baron L. Oborn, Salmon; Ray Ivie, Sawtooth; Ira C. Lambert, Wasatch; James S. Hite, Weiser; Alfred C. Toland, Wyoming; Walter E. Hanks, Powell, forest rangers. Robert E. Miller, Teton, forest supervisor; Lawrence J. Palmer, Cache, grazing examiner; William L. Brett, Fillmore, and Herbert L. Cox, Toiyabe, forest clerks; James Nelson, supply depot, unskilled laborer; John F. Purdy, messenger boy; John E. Salter, blue printer; Charles P. Calvert, surveyor draftsman; Norman K. Olmsted, forest ranger; Bryant S. Martineau, grazing examiner.

DISTRICT 5.—Winford Frank Bates and Evan A. Joy, Angeles; Walter H. Coupe, Lassen; James F. Poore, Modoc; Paul C. Thayer, Plumas; John N. Lindsey and Lester O. Ames, Stanislaus; Arthur W. Phillips, Sequoia; George H. Cory, Shasta; George M. Noyes, Tahoe, forest rangers. Frank B. Cayot, Plumas, and William A. Merrill, Tahoe, deputy forest supervisors; Tipton E. Evans, Sequoia, forest clerk; E. B. Long, Shasta, lumberman; Charles H. Ensign, Shasta, scaler; Kenneth L. Hosack and Phillip Liff, messengers.

DISTRICT 6.—Martin L. Erickson, forest supervisor; Dexter B. Reynolds, deputy forest supervisor; Ruth M. Borland and Ida E. Ringstedt, clerks (stenographers and typewriters); Robert W. Douglas, forest clerk; Woodford H. Babbitt, Ulva F. Collins, Axel W. Erickson, Oliver W. Johnston, Otto G. King, Frank W. Mattson, Clifton C. McGuire, Joseph Ridley, Jason P. Williams, forest rangers; George H. Sullivan, gas engineer; John W. S. Todd, messenger.

DISTRICT 7.—James D. Ruble, Alabama, forest ranger.

DISMISSED.

DISTRICT 6.—Edward H. Mahn, forest ranger.

With deep regret announcement is made of the death of Erma F. Bell, clerk, district 3, April 22; Mrs. Lilian Van Rancke, translator, Washington office, May 5; Charles R. Cressy, assistant chemist in forest products, Madison Laboratory, April 11; Nicholaus Schaub, unskilled laborer, Madison Laboratory, May 17, 1918.

SERVICE NOTES FOR JULY.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

SERVICE ORDER 48.

Incorporation of Branch of Operation Into Office of the Forester—

The Branch of Operation is by this order incorporated into the Office of the Forester. All Operation letters in the nature of instructions will be signed by the Forester or Acting Forester. Other letters of the character ordinarily signed by the chief of Branch will be signed by the Acting Forester. Routine correspondence by other members of the office will be signed over their own official titles. The present subject designations in correspondence will be retained.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

State of Montana *v.* Dr. E. M. Bates: Fire trespass, criminal, Kootenai National Forest. Case dismissed under order district judge, who held that the new Montana fire law repealed the old law which was in effect at the time of the Bates trespass. Case closed April 6, 1918.

State of Montana *v.* Henry Crippen and Ed Hughes: Fire trespass, criminal, Kootenai National Forest. Case closed upon suggestion of county attorney, who stated that he did not consider the information at hand sufficient to warrant prosecution.

United States *v.* John Inabnit: Grazing trespass, civil, Beaverhead National Forest. Case closed upon payment of $98.10, value of forage consumed.

United States *v.* Nelson Story, jr.: Grazing trespass, civil, Gallatin National Forest. Case closed upon payment of $16.28, value of forage consumed.

United States *v.* William Zosel et al.: Grazing trespass, civil, Helena National Forest. Case set to be heard at Helena, June 17. Before case was called for hearing Zosel agreed to comply with the wishes of the Forest Service.

Law Cases in District 2—

United States *v.* Matthew Wood: Occupancy trespass, Black Hills National Forest. Case closed on payment of $6.25 damages and issuance of permit for use of land.

United States *v.* Carbon Timber Co. and Elk Mountain Mercantile Co.: Fire trespass, Medicine Bow National Forest. December 21, 1916, judgment secured against Elk Mountain Mercantile Co. for $22,076.46. Court refused to allow $527.29 representing salaries of forest officers while employed in extinguishing fire. January 31, 1917, complaint filed against Frank C. Hunter, trustee in bankruptcy for Elk Mountain Mercantile Co., to enjoin disposition of company's assets until priority of United States claim was determined. September 14, 1917, court dismissed Government's bill holding it had no right to priority with respect to this claim. Case closed upon notice from Solicitor General that no appeal would be filed.

United States *v.* Matthew Riley & Sons: Grazing trespass, Harney National Forest. Case closed upon payment of damages in full, amounting to $41.72.

United States *v.* Mrs. D. May Saunders: Grazing trespass, Holy Cross National Forest. Case closed upon payment of damages in full, amounting to $74.50.

United States *v.* C. R. Sowards: Grazing trespass, Harney National Forest. Case closed on advice from forest supervisor that defendant had no funds to pay the damages, which amounted to $23.23.

United States *v.* L. C. Sharpe: Grazing trespass, Gunnison National Forest. Case closed on payment of damages in full, amounting to $3.06.

United States *v.* Alfred Thorndale: Occupancy trespass, Leadville National Forest. Case closed on payment of damages in full, amounting to $17.92.

United States *v.* Henrylyn Irrigation District, Inter-Mountain Water Co., and J. A. McIlwee: Occupancy trespass, Colorado National Forest (formerly Pike). Case dismissed April 12, 1918, upon instructions from the United States Attorney General.

United States *v.* Carbon Timber Co., R. D. Meyer and Andrew Olsen, trustees: Timber trespass, Hayden National Forest. December 21, 1916, judgment secured against Carbon Timber Co. in the sum of $2,624.15, with interest in the sum of $1,883.55; total, $4,507.70; together with costs. February 28, 1917, upon petition of United States, court ordered Meyer and Olsen, trustees for Carbon Timber Co., to set aside the sum of $4,907,70, to await further orders of the court respecting payment of Government's judgment. November 28, 1917, Government filed bill of complaint to establish priority of Government's claim under section 3466, Revised Statutes. June 19, 1918, upon hearing of case, court found Government entitled to priority, and ordered and decreed that the trustees pay the judgment, together with interest from De-

cember 21, 1916, ahead of all other claims against the company, except the claim of American Surety Co., New York.

United States *v.* A. I. Lindsay: Fire trespass, civil, San Isabel National Forest. Case tried June 4. Jury found in favor of defendant.

Law Cases in District 3—

United States *v.* M. C. Smith: Grazing trespass, Tusayan National Forest. Case closed on payment of $12.50, actual damages.

United States *v.* estate of J. L. Hittson: Grazing trespass, Tusayan National Forest. Case closed on payment of $18, actual damages.

United States *v.* Cruz Eraso: Grazing trespass, Prescott National Forest. Case closed on payment of $61, actual damages.

United States *v.* Clarence Hancock: Grazing trespass, Tonto National Forest. Case closed on payment of $51, actual damages.

United States *v.* John H. Sargent: Grazing trespass, Carson National Forest. Case closed on payment of $7.50, actual damages.

United States *v.* W. T. Duke: Grazing trespass, Tonto National Forest. Case closed on payment of $90 actual and $50 punitive damages.

United States *v.* Sears-Kay Cattle Co.: Grazing trespass, Prescott National Forest. Case closed on payment of $1,875, actual damages.

United States *v.* Jordon & Ortiz: Grazing trespass, Carson National Forest. Case closed on payment of $200, actual damages.

United States *v.* J. H. Morgan: Grazing trespass, Tusayan National Forest. Case closed on payment of $16, actual damages.

United States *v.* McLaughlin & Albrecht: Grazing trespass, Apache National Forest. Case closed on payment of $12.50, actual damages.

United States *v.* J. J. Filleman: Grazing trespass, Apache National Forest. Case closed on payment of $152.50, actual damages.

United States *v.* Elrage, Elrage & Swift: Grazing trespass, Apache National Forest. Case closed on payment of $215, actual damages.

United States *v.* Mrs. Chas. Pepper: Grazing trespass, Coronado National Forest. Case closed on payment of $21.25, actual damages.

United States *v.* Miguel Egurrola: Grazing trespass, Coronado National Forest. Case closed on payment of $277.50, actual damages.

United States *v.* A. H. Slaughter: Grazing trespass, Apache National Forest. Case closed on payment of $267.50, actual damages.

United States *v.* Dickie & Shellhorn: Grazing trespass, Gila National Forest. Case closed on payment of $104.50, actual damages.

United States *v.* Mrs. Syl Gamblin: Grazing trespass, Gila National Forest. Case closed on payment of $11.50, actual damages.

United States *v.* Colin Campbell: Grazing trespass, Tusayan National Forest. Case closed on payment of $73.75, actual damages.

United States *v.* Richard Kunde: Grazing trespass, Coronado National Forest. Case closed on payment of $53.25, actual damages.

United States *v.* Arthur H. Noon: Grazing trespass, Coronado National Forest. Case closed on payment of $360.75, actual damages.

United States *v.* Fred C. Purcell: Grazing trespass, Prescott National Forest. Case closed on payment of $3.50, actual damages.

United States *v.* Julio Sancet: Grazing trespass, Prescott National Forest. Case closed on payment of $1.30, actual damages.

United States *v.* Fred Ortiz: Grazing trespass, Carson National Forest. Case closed on payment of $15.84, actual damages.

United States *v.* Harland Walker: Grazing trespass, Apache National Forest. Case closed on payment of $21.25, actual damages.

United States *v.* Drumm & Wilson: Grazing trespass, Apache National Forest. Case closed on payment of $11.25, actual damages.

United States *v.* Waide Harris: Grazing trespass, Apache National Forest. Case closed on payment of $142.50, actual damages.

United States *v.* Johnson & Shannon: Grazing trespass, Apache National Forest. Case closed on payment of $111.25, actual damages.

United States *v.* R. R. Miller: Grazing trespass, Apache National Forest. Case closed on payment of $282.50, actual damages.

United States *v.* Nicks & Tucker: Grazing trespass, Apache National Forest. Case closed on payment of $58.75, actual damages.

United States *v.* Bailey & Harris: Grazing trespass, Apache National Forest. Case closed on payment of $421.25, actual damages.

United States *v.* Double Circle Cattle Co.: Grazing trespass, Apache National Forest. Case closed on payment of $360, actual damages.

United States *v.* Griffith Jenkins: Grazing trespass, Coronado National Forest. Case closed on payment of $88.80, actual damages.

United States *v.* E. Moyza: Grazing trespass, Coronado National Forest. Case closed on payment of $22.20, actual damages.

United States *v.* Clarke & Carnes: Grazing trespass, Coronado National Forest. Case closed on payment of $31.25, actual damages.

United States *v.* P. M. Clarke: Grazing trespass, Coronado National Forest. Case closed on payment of $53.65, actual damages.

United States *v.* Garcia Bros.: Grazing trespass, Coronado National Forest. Case closed on payment of $185, actual damages.

United States *v.* J. O. Brown: Grazing trespass, Apache National Forest. Case closed on payment of $26.25, actual damages.

United States *v.* J. L. Shellhorn: Grazing trespass, Gila National Forest. Case closed on payment of $75.13, actual damages.

United States *v.* Mrs. R. B. Wilbur: Grazing trespass, Coronado National Forest. Case closed on payment of $351.50, actual damages.

United States *v.* William M. Tate: Grazing trespass, Gila National Forest. Case closed on payment of $29.75, actual damages.

United States *v.* J. D. Newman: Grazing trespass, Prescott National Forest. Case closed on payment of $22.40, actual damages.

United States *v.* Mrs. James B. Gamble: Grazing trespass, Coronado National Forest. Case closed on payment of $15.75, actual damages.

United States *v.* John Hennessy: Grazing trespass, Prescott National Forest. Case closed on payment of $24, actual damages.

United States *v.* Babbitt & Hennessy: Grazing trespass, Prescott National Forest. Case closed on payment of $9.54, actual damages.

United States *v.* James Trainor: Grazing trespass, Apache National Forest. Case closed on payment of $16.25, actual damages.

United States *v.* Arivaca Land and Cattle Co.: Grazing trespass, Coronado National Forest. Case closed on payment of $1,295, actual damages.

United States *v.* T. B. McCullouch: Grazing trespass, Apache National Forest. Case closed on payment of $35, actual damages.

United States *v.* Young & Wilkins: Grazing trespass, Prescott National Forest. Case closed on payment of $1,050, actual damages.

United States *v.* Enrique Archuleta: Fire trespass, Santa Fe National Forest. Case closed on payment of $19, actual damages.

United States *v.* T. B. Longwell: Corner removal, Lincoln National Forest. Trial by jury, and verdict of acquittal. Criminal prosecution on recommendation chief of field division.

United States *v.* R. H. Cameron et al.: Occupancy trespass, Grand Canyon, Cape Horn Lode. Decision by Circuit Court of Appeals sustaining injunction against further occupancy and requiring removal of buildings.

State of New Mexico *v.* A. W. Snyder: Fire trespass, Lincoln National Forest. Indicted for arson in setting fire to boarding cars, plea of guilty, and sentenced to three years in the penitentiary.

United States *v.* Epifanio Ortiz: Grazing trespass, Apache National Forest. Hearing on contempt proceedings, and case under advisement.

United States *v.* Theo. Cannard: Occupancy trespass, Carson National Forest. Hearing on contempt proceedings, and defendant given another opportunity to remove fence.

United States *v.* Fred Howard: Grazing trespass, Manzano National Forest. Default entered.

United States *v.* S. J. Hines: Occupancy trespass, Tonto National Forest. Default entered.

United States *v.* M. D. Rawls: Occupancy trespass, Lincoln National Forest. Information dismissed by United States attorney after removal of occupancy.

United States *v.* Joe Bruno & Anthony B. Tocco: Grazing trespass, Crook National Forest. Criminal proceedings dismissed by United States attorney on recommendation of Forest Service after Bruno had left the country.

United States *v.* John Hackney: Timber trespass, Gila National Forest. Information filed, plea of guilty, and defendant fined $25 and costs amounting to $70.

State of New Mexico *v.* Juan W. Carrejo: Datil National Forest. Preliminary hearing, and Ranger Carrejo bound over to the State grand jury on a technical charge of murder. Shooting occurred while the ranger was assisting State officers in making an arrest for cattle steal-

ing. Two men were killed, and the third will be tried for cattle stealing before further action in the murder case.

United States *v.* Martina Sena et al.: Occupancy trespass, Santa Fe National Forest. Complaint in ejectment filed.

United States *v.* Gasper Suarez: Grazing trespass, Prescott National Forest. Defendant arrested and bound over on preliminary hearing by the United States commissioner.

United States *v.* Antonio Suarez: Grazing trespass, Prescott National Forest. Defendant arrested, and bound over on preliminary hearing by the United States commissioner.

United States *v.* Martin E. Echenique: Grazing trespass, Prescott National Forest. Defendant arrested and bound over on preliminary hearing by the United States Commissioner.

United States *v.* Jose Echenique: Grazing trespass, Prescott National Forest. Forwarded to Department of Justice with recommendation for criminal prosecution.

United States *v.* Valentin Aja: Grazing trespass, Prescott National Forest. Forwarded to Department of Justice with recommendation for criminal prosecution.

Law Cases in District 4—

United States *v.* Grant Carpenter: Grazing trespass, Ashley National Forest. Case closed on payment of $8.80, actual damages.

United States *v.* Alfred Johnson: Grazing trespass, Ashley National Forest. Case closed on payment of $4.32, actual damages.

United States *v.* Casper Hein: Grazing trespass, Boise National Forest. Case closed on payment of $117.40, actual damages.

United States *v.* John Echevarria: Grazing trespass, Boise National Forest. Case closed on payment of $24, actual damages.

United States *v.* K. D. Houtz: Grazing trespass, Cache National Forest. Case closed on payment of $40, actual damages.

United States *v.* Moroni Monroe: Grazing trespass, Fillmore National Forest. Case closed on payment of $10, actual damages.

United States *v.* William E. Tracy: Grazing trespass, Minidoka National Forest. Case closed on payment of $19.80, actual damages.

Law Cases in District 5—

United States *v.* W. B. Spurlock: Grazing trespass, Trinity National Forest. Payment of $54, in full settlement, received and case closed.

United States *v.* Symons Bros.: Grazing trespass, Mono National Forest. Payment of $56 received and case closed.

United States *v.* E. W. Leininger: Grazing trespass, Lassen National Forest. Payment of $19.50 received and case closed.

United States *v.* Perry McDaniel: Grazing trespass, Modoc National Forest. Defendant plead guilty and was fined $100 by the district judge.

United States *v.* Oscar Hotchkiss: Grazing trespass, Modoc National Forest (3 cases). Settlement in full made by defendant—$153.50 and $3.50 costs.

United States *v.* San Pedro, Los Angeles & Salt Lake Railroad Co.: Fire trespass, Angeles National Forest. The amount offered in settlement of this case ($1,150) was paid in full.

United States *v.* San Jacinto Box and Lumber Co.: Fire trespass, Cleveland National Forest. The sum of $653.90 accepted in settlement and case closed. Total amount of judgment was $710.22 and costs.

Law Cases in District 6—

United States *v.* Jake S. McCown: Contempt of court. Oregon National Forest. On June 4 the defendant appeared before the United States District Court on the citation for contempt of the permanent injunction prohibiting him from allowing his cattle to graze on the Oregon National Forest. The court adjudged him guilty and fined him $50 and costs; total, about $92.50.

United States *v.* Pat Healy: Grazing trespass, Whitman National Forest. Case closed June 25, on payment of $35.15, actual damage, and $50 punitive damages.

United States *v.* B. F. Owenby: Grazing trespass, Wallowa National Forest. Case closed on June 25 on payment of $12.50 actual damage.

United States *v.* A. E. Penney: Grazing trespass, Ranier National Forest. Civil case closed May 27 on payment of $12.66 actual damage. Criminal action still pending.

United States *v.* Chas. Lindsay: Grazing trespass, Crater National Forest. Case closed April 15 on payment of $12, actual damage, and $50 punitive damages.

United States *v.* Conroy and Manning: Grazing trespass, Malheur National Forest. Case closed April 20 on payment of $54.52, actual damage, and $50 punitive damages.

United States v. W. H. Harris: Grazing trespass, Oregon National Forest. Indictment dismissed April 5 on recommendation of Forest Service after settlement of civil damages amounting to $250. Case closed.

United States *v.* Eugene and Emma Engles Crane. Occupancy trespass, Washington National Forest. Writ of possession granted by United States District Court for the western district of Washington April 8, and on April 11 the trespassers were ejected from the land by deputy United States marshal.

United States *v.* Reliance Lumber Co.: Fire trespass, Ranier National Forest. Referred to the Department of Justice for institution of suit to collect $2,218.75, May 15.

United States *v.* J. W. O'Keeffee: Grazing trespass, Fremont National Forest. Case closed May 9 on payment of $95, actual damage, and $50 punitive damage, with interest and costs; total, $225.

United States *v.* George A. Hempe: Timber trespass, Minam National Forest. Case closed April 17 on payment of $32.04 actual damage.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 606.—Relative Resistance of Various Hardwoods to Injection with Creosote.

Department Bulletin 638.—Forestry and Community Development.

Department Bulletin 673.—Production of Lumber, Lath, and Shingles in 1916.

Department Bulletin 675.—Range Preservation and Its Relation to Erosion Control on Western Grazing Lands.

Unnumbered Publication.—The Use Book, 1918.

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

[July, 1918.]

[Numbers in parentheses after the month indicate page.]

Contempt of court, district 6; July (33).
Corner removal, district 3; July (31).
Incorporation of Branch of Operation into Office of the Forester—Service Order 48; July (27).
Technical charge of murder, district 3; July (31).
Law cases in district 1; July (27).
2; July (28).
3; July (29).
4; July (32).
5; July (32).
6; July (33).
Trespass cases, timber, district 2; July (28).
3; July (29).
6; July (33).
fire, district 1; July (27).
2; July (28).
3; July (29).
5; July (32).
6; July (33).

Trespass cases, grazing, district 1; July (27).
2; July (28).
3; July (29).
4; July (32).
5; July (32).
6; July (33).
occupancy, district 2; July (28).
3; July (29).
6; (July 33).

WASHINGTON: GOVERNMENT PRINTING OFFICE: 1918